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PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

11-Nov-2010

Company: 118548

Room/Area ID: Reference #:



 Sales Order #:
 C002726

 CCC Panel #:
 P68765

 Date In:
 05-Oct-2010

 Date Out:
 20-Oct-2010

Days In Service: 15

CCC Panel # P68765

ISA Class G2 Moderate

Copper Corrosion 499 Å/30 Days

Silver Corrosion 374 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68765

The electrolytic reduction analysis on Corrosion Classification Coupon #P68765 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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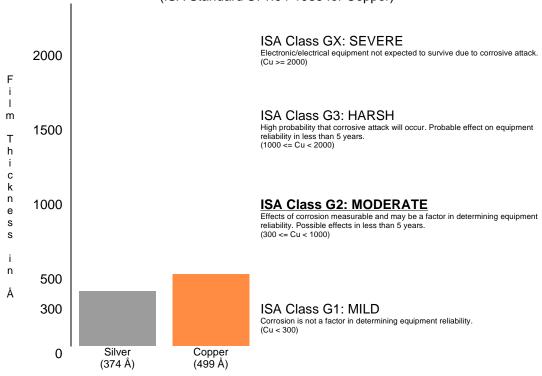
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PURAFIL CCC # P68765 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	30 Days	1 Year	<u>5 Year</u>	magninoa zox
Copper Films				
Cu ₂ S	215 Å	441 Å	753 Å	
Cu ₂ O	131 Å	269 Å	460 Å	
Unknowns	153 Å	314 Å	537 Å	
Totals	499 Å	1024 Å	1750 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	374 Å	4555 Å	22776 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	374 Å	4555 Å	22776 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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